

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
STANDARD ANNULAR PRESSURE TEST

WARD LAKE

Operator	<u>PRESIDIUM ANTRIM WEST</u>	State Permit Number	<u>50747</u>
Address	<u>BLUE BAY OIL 3 GAS</u>	EPA Permit Number	<u>MI-101-ZD-0050</u>
		Date of Test	<u>9/25/2013</u>
Well Name & Number	<u>GIRVIN 1-27</u>	Well Type	<u>20</u>

Quarter	Quarter	Quarter	Section	Township	Range	Township Name	County	State
<u>NW</u>	<u>SE</u>	<u>NE</u>	<u>27</u>	<u>24 N</u>	<u>15W</u>		<u>MANISTEE</u>	<u>MI</u>
GPS file number			Latitude		Longitude		Elevation	
			<u>44.45361</u>		<u>86.10208</u>			

Company Representative	<u>NICK SWISHER</u>	Field Inspector	<u>SAM H. WILLIAMS</u>
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GAUGE CERTIFICATION

Type Pressure Gauge NIKA } 4 inch face 600 psi full scale 5 psi increments
 New Gauge? Yes ☒ No ☐ If no, date of calibration _____ Calibration certification submitted? Yes ☐ No ☒

10/15

TEST RESULTS

Time	<u>0</u>	<u>15</u>	<u>30</u>				
Annulus	<u>360</u>	<u>360</u>	<u>360</u>				
Tubing	<u>51</u>						

WELL STATUS

5 Year ☒ TD# 13-236
 2 Year TA ☐ TD# _____
 Rework after failure ☐ TD# _____
 New Permit ☐ TD# _____
 Enforcement Action ☐ TD# _____
 Annual Class 1 ☐ TD# _____

WELL CONFIGURATION

Casing Size 5 1/2
 Tubing Size 2 7/8
 Packer Type _____
 Packer set @ 1138'

Fluid Return (gal) 2 ± GAL.

Test Pressures: Max. Allowable Pressure Change: Initial test pressure x .03 10.8 psi
 Test Pressure change 2 psi

Test Passed ☒ Test Failed ☐ : If failed test, well must shut in, no injection can occur, and USEPA must be contacted within 24 hours. Corrective action needs to occur, the well retested, and written authorization received before injection can recommence.

COMMENT:

RECEIVED

OCT 21 2013

Signature of Company Representative	Date
<u>[Signature]</u>	<u>9/25/2013</u>
Signature of UIC Field Inspector	Date
<u>Sam H. Williams</u>	<u>SEPT 25, 2013</u>